

**CLAIMS**

1. A method for post-analyzing and sequentially visualizing a plurality of predefined metrics in a stored dynamic data space, comprising:
  - storing in a datastore, values corresponding to the predefined metrics received from an agent, each of said values representing a characteristic of one of a plurality of entities in the data space;
  - retrieving said stored values from said datastore; and
  - displaying said retrieved values for selected ones of said predefined metrics for sequential viewing on a graphical display.
2. The method according to claim 2, wherein said retrieving step, comprises:
  - accessing values in said datastore;
  - determining a starting position and an ending position of said stored values to be retrieved; and
  - acquiring said sequentially stored values from said starting position to said ending position.
3. The method according to claim 3, wherein said step of displaying said retrieved values, comprises:
  - selecting at least one of the metrics for display for selected ones of said entities; and

5 providing a graphical display of said selected metrics, said display  
6 sequentially changing according to changes in said acquired values caused by  
7 changes in the stored dynamic data space.

1 4. The method according to claim 4, further comprising controlling said sequentially  
2 changing graphical display by selecting a playback function from the group  
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,  
4 pausing, stepping and stopping.

1 5. A method for post-analyzing and visualizing predefined metrics for at least one of  
2 a plurality of components in a CDN, the method comprising:

3 storing in a datastore, values for the predefined metrics received from an  
4 agent, each of said values representing a characteristic of each component in  
5 the CDN;

6 retrieving said stored values from said datastore; and

7 displaying said retrieved values for selected ones of said predefined  
8 metrics for sequential playback on a graphical display.

1 6. The method according to claim 6, wherein said storing step, comprises storing  
2 said values sequentially in time as said values are collected.

1 7. The method according to claim 7, wherein said retrieving step, comprises:

2           accessing stored values in said datastore;  
3           determining a starting position and an ending position of said stored  
4 values to be retrieved; and  
5           acquiring said sequentially stored values from said starting position  
6 to said ending position.

1    8.    The method according to claim 8, wherein said step of displaying said retrieved  
2 values, comprises:

3           selecting at least one of the metrics for display for selected ones of said  
4 components; and

5           providing a graphical display of said selected metrics, said display  
6 sequentially changing according to changes in said acquired values caused by  
7 changes in the stored dynamic data space.

1    9.    The method according to claim 9, further comprising controlling said sequentially  
2 changing graphical display by selecting a playback function from the group  
3 consisting of playing, forwarding, fast forwarding, rewinding, fast rewinding,  
4 pausing, stepping and stopping.

1    10.   A system for post-analyzing and visualizing predefined data metrics for at least  
2 one of a plurality of communication components in a CDN, the system  
3 comprising:

4 a datastore for storing values received from an agent for said predefined  
5 metrics for each of the plurality of communication components;

6 a computing device for retrieving said stored values from said datastore;  
7 and

8 a graphical display for sequentially playing back and viewing said  
9 retrieved values for selected ones of said predefined metrics on a graphical  
10 display.

11. The system according to claim 11, wherein said datastore, comprises a storage  
for storing said values within said datastore as said values are collected.

12. The system according to claim 12, wherein said computing device, comprises:

a processor for accessing stored values in said datastore;

a processing means for determining a starting position and an ending  
position of said stored values to be retrieved; and

a second processing means for acquiring said sequentially stored values  
from said starting position to said ending position.

13. The system according to claim 13, wherein said display, comprises:

means for selecting at least one of the metrics for display for selected  
ones of said communication component; and

4 a graphical display for displaying said selected metrics, said display  
5 sequentially changing according to changes in said acquired values caused by  
6 changes in the stored dynamic data space.

1 14. The system according to claim 14, further comprising a user interface for  
2 controlling said sequentially changing graphical display by selecting a playback  
3 function from the group consisting of playing, forwarding, fast forwarding,  
4 rewinding, fast rewinding, pausing, stepping and stopping function.

1 15. A machine readable storage having stored thereon, a computer program having  
2 a plurality of code sections for post-analyzing and sequentially visualizing a  
3 plurality of predefined metrics in a stored dynamic data space, said code  
4 sections executable by a machine for causing the machine to perform the steps  
5 of:

6 storing in a datastore, values corresponding to predefined metrics  
7 received from an agent, each of said values representing a characteristic of one  
8 of a plurality of an entities in the dynamic data space;

9 retrieving said stored values from said datastore; and

10 displaying said retrieved values for selected ones of said predefined  
11 metrics for sequential viewing on a graphical display.

1 16. The machine readable storage according to claim 16, wherein said storing step,  
2 comprises storing said values for the predefined metrics sequentially in time as  
3 said values are collected.

1 17. The machine readable storage according to claim 17, wherein said retrieving  
2 step, comprises:

3 accessing values in said datastore;

4 determining a starting position and an ending position of said stored  
5 values to be retrieved; and

6 acquiring said sequentially stored values from said starting position  
7 to said ending position.

1 18. The machine readable storage according to claim 18, wherein said step of  
2 displaying said retrieved values, comprises:

3 selecting at least one of the metrics for display for selected ones of said  
4 entities; and

5 providing a graphical display of said selected metrics, said display  
6 sequentially changing according to changes in said acquired values caused by  
7 changes in the stored dynamic data space.

1 19. The machine readable storage according to claim 19, further comprising  
2 controlling said sequentially changing graphical display by selecting a playback

3 function from the group consisting of playing, forwarding, fast forwarding,  
4 rewinding, fast rewinding, pausing, stepping and stopping.

1 20. A machine readable storage having stored thereon, a computer program having  
2 a plurality of code sections for post-analyzing and visualizing predefined metrics  
3 for at least one of a plurality of components in a CDN, said code sections  
4 executable by a machine for causing the machine to perform the steps of:

5 storing in a datastore, values for the predefined metrics received from an  
6 agent, each of said values representing a characteristic of each component in  
7 the CDN;

8 retrieving said stored values from said datastore; and

9 displaying said retrieved values for selected ones of said predefined  
10 metrics for sequential playback on a graphical display.

1 21. The machine readable storage according to claim 21, wherein said storing step,  
2 comprises storing said values sequentially in time as said values are collected.

1 22. The machine readable storage according to claim 22, wherein said retrieving  
2 step, comprises:

3 accessing stored values in said datastore;

4 determining a starting position and an ending position of said stored  
5 values to be retrieved; and

6                   acquiring said sequentially stored values from said starting position  
7                   to said ending position.

1       23.    The machine readable storage according to claim 23, wherein said step of  
2            displaying said retrieved values, comprises:  
3                selecting at least one of the metrics for display for selected ones of said  
4            components; and  
5                providing a graphical display of said selected metrics, said display  
6            sequentially changing according to changes in said acquired values caused by  
7            changes in the stored dynamic data space.

1       24.    The machine readable storage according to claim 24, further comprising  
2            controlling said sequentially changing graphical display by selecting a playback  
3            function from the group consisting of playing, forwarding, fast forwarding,  
4            rewinding, fast rewinding, pausing, stepping, and stopping.